

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(tuning with fork with acoustic with light with detect\$4).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 13:52
L2	0	(tuning with fork with acoustic with light with detect\$4).clm.	US-PGPUB	OR	ON	2007/03/15 13:52
S1	10	("5159411" "6236455" "6244101" "6348968" "6466806").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:50
S2	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 13:51
S3	723	S2 near2 spectro\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:55
S4	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:57
S5	723	S4 near2 spectro\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:57
S6	4	resonant near acoustic near detector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:57
S7	3	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 17:57
S8	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 19:55

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S9	723	S8 near2 spectro\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 19:55
S10	4	resonant near acoustic near detector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 19:58
S11	3	S9 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 19:55
S12	1729	acoustic near detector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/29 19:58
S13	75	S9 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 16:20
S14	138281	resonat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 16:20
S15	6	(US-20050117155-\$).did. or (US-7101340-\$ or US-4457162-\$ or US-4068125-\$ or US-4535241-\$ or US-3911276-\$).did.	US-PGPUB; USPAT	OR	ON	2006/09/30 16:21
S16	4	S14 and S15	US-PGPUB; USPAT	OR	ON	2006/09/30 16:21
S17	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 16:50
S18	7289	tuning adj fork	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 16:50

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S19	13	S17 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 16:50
S20	16	("20010037070"   "20020007249"   "20020151814"   "4887455"   "5058600"   "5303575"   "6067989"   "6248078"   "6254547"   "6428483"   "6461306"   "6540691"   "6609068"   "6620109"   "6712770"   "6726637").PN. OR ("7101340").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/30 17:29
S21	22	("4457162").URPN.	USPAT	OR	ON	2006/09/30 17:31
S22	25	("3938365"   "3948345"   "4176963").PN. OR ("4457162"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/30 17:37
S23	1	"4412445".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/30 17:37
S24	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:18
S25	11	(US-20050117155-\$).did. or (US-7101340-\$ or US-4457162-\$ or US-4068125-\$ or US-4535241-\$ or US-3911276-\$ or US-4817413-\$ or US-4713540-\$ or US-6975402-\$ or US-4412445-\$).did. or (DE-3345077-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/30 19:19
S26	11	S24 and S25	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/30 19:33
S31	4	S24 and oscillation adj period	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:36
S32	370	S24 and oscillation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:36
S33	143	S24 and oscillation with frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:37

## EAST Search History

S35	38	S33 and resonat\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:43
S36	43	S33 and Q	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:43
S37	15	S36 and microphone	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:50
S38	1331	acoustic adj detector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:51
S39	150	S24 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:51
S40	28453	acoustic adj signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:51
S41	68	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:54
S42	1312	acoustic adj oscillation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:54
S43	8	S41 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 19:54
S44	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01

## EAST Search History

S45	1331	acoustic adj detector	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S46	150	S44 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S47	28453	acoustic adj signal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S48	68	S46 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S49	1312	acoustic adj oscillation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S50	8	S48 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:01
S51	12	(US-20050117155-\$).did. or (US-7101340-\$ or US-4457162-\$ or US-4068125-\$ or US-4535241-\$ or US-3911276-\$ or US-4817413-\$ or US-4713540-\$ or US-6975402-\$ or US-4412445-\$ or US-6694173-\$). did. or (DE-3345077-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/30 22:01
S52	9	S51 and amplif\$6	US-PGPUB; USPAT; DERWENT	OR	ON	2006/09/30 22:01
S53	2852	(photoacoustic optoacoustic ((photo opto) adj acoustic) opto-acoustic photo-acoustic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:34
S54	7289	tuning adj fork	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:34

## EAST Search History

S55	13	S53 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/30 22:34
S56	22	("3513415"   "3546500"   "3559100"   "3998557"   "4163382"   "4178526"   "4193008"   "4200399"   "4255964"   "4480191"   "4489239"   "4594004").PN. OR ("4817413").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/14 14:22
S57	6	("4178526").URPN.	USPAT	OR	ON	2007/03/14 14:58

~~Interference~~

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(tuning with fork with acoustic with light with detect\$4).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/15 13:52
L2	0	(tuning with fork with acoustic with light with detect\$4).clm.	US-PGPUB	OR	ON	2007/03/15 13:52